CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

Claims 1 - 11 (canceled).

Claim 12 (currently amended): A method for exchanging signaling information

between a PRA ISDN connection and a packet-oriented exchange via a

peripheral adapter, comprising:

processing by the packet-oriented exchange signaling information transferred

from the PRA ISDN connection signaling information of a BRA ISDN

connection out of a plurality of BRA ISDN connections;

adapting in the peripheral adapter the signaling information transferred from the

PRA ISDN connection in accordance with the ISDN connection type of the BRA

ISDN connection; and

adapting signaling information transferred from the packet-oriented exchange

to the peripheral adapter in accordance with the ISDN connection type of the

PRA ISDN connection, wherein the PRA ISDN connection is represented by

said plurality of BRA ISDN connections in the packet-oriented exchange, and

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wherein call identifiers of said plurality of BRA ISDN connections are adapted in said peripheral adapter with respect to uniqueness within the D-channel of said PRA ISDN connection and wherein call identifiers transmitting via the D-channel of said PRA ISDN connection in the direction of said packet-oriented exchange are allocated to the D-channels of said plurality of BRA ISDN connections without adaption.

Claim 13 (previously presented): The method according to claim 12, further comprising: representing different ISDN connections by a single connection type in the packet-oriented exchange wherein the connection type of the PRA ISDN connection differs from the single connection type, by which the different ISDN connections are represented in the packet oriented exchange; exchanging the signaling information between the PRA ISDN connection and the packet-oriented exchange; and adapting the exchanged signaling information in the peripheral adapter in accordance with the different ISDN connection types.

Claim 14 (previously presented): The method according to claim 13, wherein adapting the exchanged signaling information ensues according to a mapping of data channels differentiated for the respective different ISDN connection types.

Claim 15 (previously presented): The method according to claim 14, wherein the mapping ensues via a table in the peripheral adapter.

Claim 16 (canceled).

Claim 17 (previously presented): The method according to claim 14, wherein a

concentration of the data channels ensues as part of the mapping.

Claim 18 (previously presented): The method according to claim 14, wherein a

call identifier and a bearer channel reference are adapted according to the

mapping of the data channels.

Claim 19 (previously presented): The method according to claim 12, wherein a

DSS1 protocol is used between the PRA ISDN connection and the peripheral

adapter, and a connection is permanently maintained on a layer of the DSS1

protocol.

Claim 20 (previously presented): The method according to claim 14, wherein

the exchanged signaling information is converted via the peripheral adapter for

controlling a data channel according to the mapping of the data channels.

Claim 21 (previously presented): The method according to claim 20, wherein a

protocol selected from the group consisting of Media Gateway Control Protocol

and H.248 protocol is used between the peripheral adapter and the packet-

based exchange for signaling the control of the data channel.

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Claim 22 (currently amended): A peripheral adapter for a connection of an

ISDN private branch exchange or ISDN terminal to a packet network,

comprising a resource for adapting signaling information transferred from a

PRA ISDN connection to a packet-oriented exchange for the purpose of the

signaling information being processed by the packet-based packet-oriented

exchange as signaling information of BRA ISDN connections, wherein said

peripheral adapter is adapted to adapt call identifiers of a plurality of BRA ISDN

connections with respect to uniqueness within the D-channel of said PRA ISDN

connection and wherein said peripheral adapter is adapted to allocate call

identifiers transmitted via the D-channel of said PRA ISDN connection in the

direction of said packet-oriented exchange to the D-channels of said plurality of

BRA ISDN connections without adaptation.

Claim 23 (previously presented): The peripheral adapter according to claim 22,

wherein the adapter is adapted to adapt signaling information that corresponds

with different ISDN connection types; and for adapting the signaling information

via a mapping of data channels differentiated for the respective ISDN

connection types.

Claim 24 (previously presented): The peripheral adapter according to claim 23,

further comprising a table for adapting signaling information according to the

mapping of the data channels.

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Claim 25 (previously presented): The peripheral adapter according to claim 22,

wherein the different ISDN connection types are given by a BRA connection at

a packet-switched network end and the PRA ISDN connection at an ISDN

connection end.

Claim 26 (previously presented): The peripheral adapter according to claim 23,

wherein the adapter is further adapted to adapt a call identifier and a bearer

channel reference.

Claim 27 (previously presented): The peripheral adapter according to claim 22,

wherein the adapter is designed as an IAD or an MTA.

Claim 28 (previously presented): The method according to claim 12, wherein in

said peripheral adapter via a conversion table up to two data channels of said

BRA ISDN connection are mapped to up to two data channels of said PRA

ISDN connection, wherein said PRA ISDN connection is a physical PRA ISDN

connection and wherein each BRA ISDN connection out of said plurality of BRA

ISDN connections is a logical BRA ISDN connection of said packet-oriented

exchange.

Claim 29 (canceled).

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